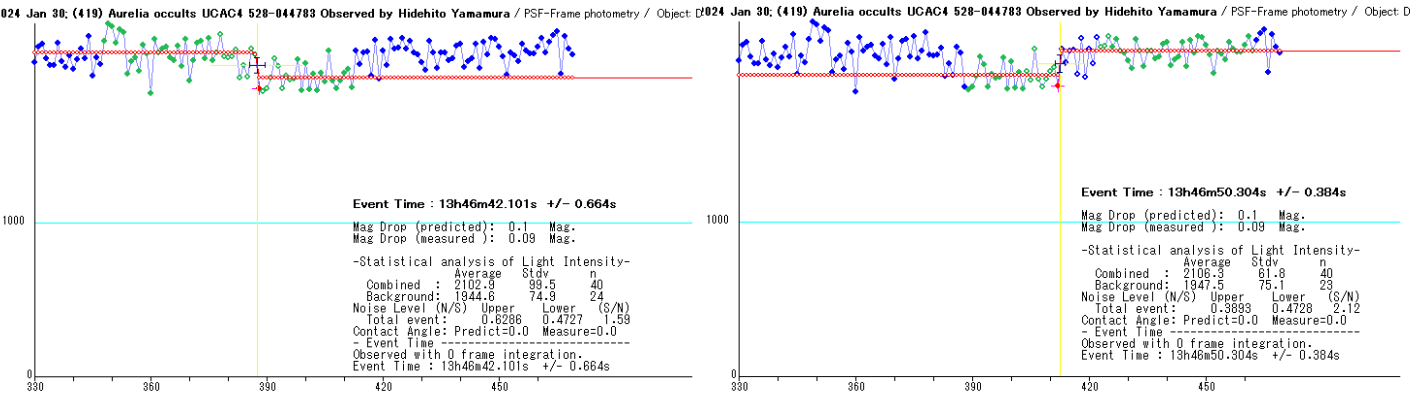
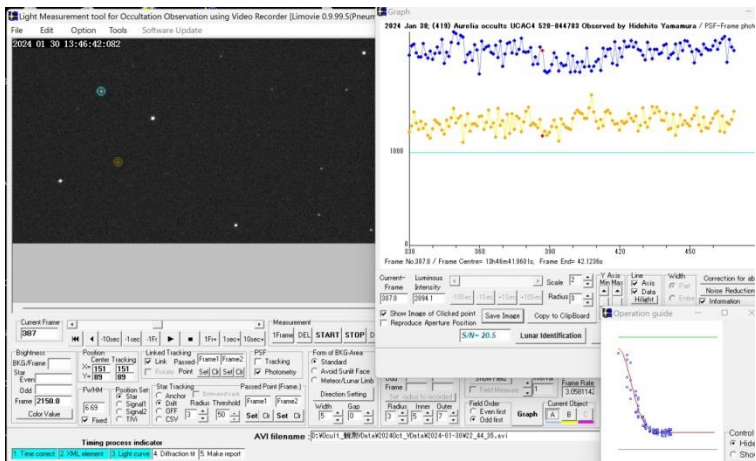


# 20240130Ast\_(419)Aurelia Occults UCAC4 528-044783

Hidehito Yamamura



Frame No.388.0 / Frame Centre= 13h46m42.2871s, Frame End= 42.4506s / Event centre=Frame centre -0.186s +/-0.664s / ContactAngle=0.0d/frame No.412.0 / Frame Centre= 13h46m50.1352s, Frame End= 50.2987s / Event centre=Frame centre +0.169s +/-0.384s / ContactAngle=0.0d

## \*\*\*\*\* Asteroid occultation Report\*\*\*\*\*

[Date ] 2024. 1.30 [Approx hour] 13.8  
[Star ] UCAC4 528-044783  
[Asteroid ] (419)Aurelia  
[Observer ] 1: Hidehito Yamamura 2:  
[Location ] Maibara,Shiga, JPN  
[Longitude ] 136o17'40.5" E  
[Latitude ] 35o19'41.8" N  
[Altitude ] 93m  
[Datum ] WGS84  
[Event time]  
D: 13h46m42.101s +/- 0.664s (UTC) S/N=1.59  
R: 13h46m50.304s +/- 0.384s (UTC) S/N=2.12  
[Recorded ] From 13h44m36s To 13h49m16s  
[Mag. drop ]  
D: Measured: 0.09 ; Predicted: 0.1  
R: Measured: 0.09 ; Predicted: 0.1  
[Telescope ] Aperture: 23.5cm Type: SCT F=3.3  
[Camera ] Analog or Digital video , Model=ASI290MM  
[Exposure ] Set: 327.0msec, Measure: 327msec  
[Setting ] Area: 1696x700 ; Binning=2  
Gain: 403 ; Brightness: 65 ;  
High Speed Mode: Off  
[Time keep ] GPS ; Model: VK172  
[Evidence ] GPS Time Log : Recorded ; Screen shot: Recorded  
[Condition ] Stability: Steady Transparency: Clear  
[Remarks ]  
[Additional comment]

```
<Observations>
<Event>
<Date>2024|1|30|13.8</Date>
<Details>
<Star>UCAC4|528-044783|0|0.000000000|0.000000000|0.00|0.00|0.00|0.00000000|0.00000000|25.00|25.00|25.00|0</Star>
<Asteroid>419|Aurelia|0.00000000|0.00000000|0.00|0.00000000|0.00000000|0.00000000|1.000000|0.000000|0.0|1.0|20.00</Asteroid id>
</Details>
<Observations>
<Observer>
<ID>1|Hidehito Yamamura||0|Maibara,Shiga|JPN|+136 17 40.5|+35 19 41.8|93| |23.5|3|a|a</ID>
<Conditions>1|1|1.85||</Conditions>
<D>13 46 42.101|D|0.664|||</D>
<R>13 46 50.304|R|0.384|||</R>
</Observer>
</Observations>
<LastEdited>2023|7|17</LastEdited>
</Event>
</Observations>
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Date: 2024-1-30 13:46:23.32: 45.45: 140  
Star: 0: 0: 0: 0: 0-0: 528-044783  
Observer: +136:17:40.5: +35:19:41.8: 93:  
Hidehito Yamamura  
Object: Asteroid: 419: Aurelia  
Values:2045:2140:2162:2065:2025:2024:2  
169:2046:2013:2084:1997:2061:2132:206  
9:2213:1956:2076:2028:2182:2294:2277:2  
171:2256:2236:1969:2046:2074:1985:215  
6:2097:1844:2190:2102:2131:2142:2072:2  
056:2148:2019:2191:1922:2054:2170:218  
4:2066:2197:2056:2106:2227:2080:2071:2  
082:2121:1945:2025:1949:2129:2094:187  
3:1853:1875:1942:2066:2019:1873:1953:1  
927:1935:2063:1859:2036:1867:1965:186  
2:1976:1915:2120:1922:1874:1924:1971:1  
997:1876:2116:2032:2103:2109:1952:218  
9:1937:2118:2024:2191:2128:2135:2198:2  
129:2178:2107:2095:2041:1992:2183:210  
8:2002:2108:2103:2058:2070:2152:2160:2  
010:2051:2067:2165:2004:2175:2090:220  
2:2196:2142:2081:1959:2105:2084:2049:2  
159:2118:2100:2099:2141:2202:2106:217  
5:2218:2245:1964:2213:2128:2094